

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142495.D
 Acq On : 21 May 2025 19:05
 Operator : RC/JU
 Sample : Q2075-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Quant Time: May 22 01:01:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

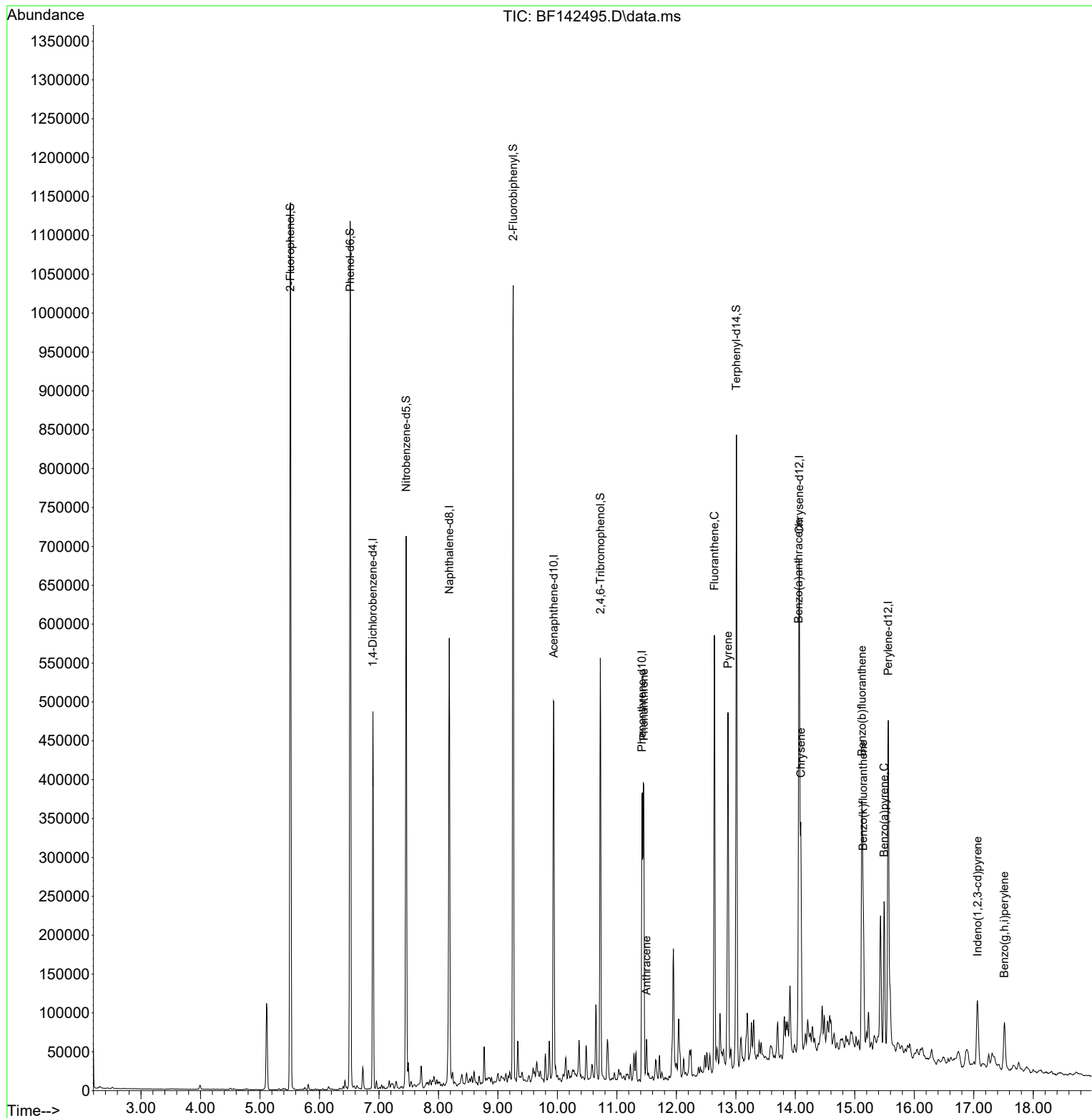
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	100766	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	357959	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	148328	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	194795	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	218313	20.000	ng	0.00
86) Perylene-d12	15.562	264	247525	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	428079	71.573	ng	0.00
7) Phenol-d6	6.516	99	508939	70.688	ng	-0.02
23) Nitrobenzene-d5	7.457	82	288423	43.936	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	90602	55.035	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	462302	41.823	ng	-0.01
79) Terphenyl-d14	13.010	244	378926	23.719	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.451	178	209436	20.118	ng	99
72) Anthracene	11.498	178	30925	2.911	ng	98
75) Fluoranthene	12.639	202	320997	33.000	ng	99
78) Pyrene	12.869	202	259576	12.746	ng	98
81) Benzo(a)anthracene	14.057	228	149419	10.250	ng	95
83) Chrysene	14.092	228	149609	11.421	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	64612	3.477	ng	95
88) Benzo(b)fluoranthene	15.121	252	218096m	14.887	ng	
89) Benzo(k)fluoranthene	15.139	252	65491m	4.773	ng	
90) Benzo(a)pyrene	15.492	252	115361	8.354	ng	98
92) Benzo(g,h,i)perylene	17.515	276	54992	3.648	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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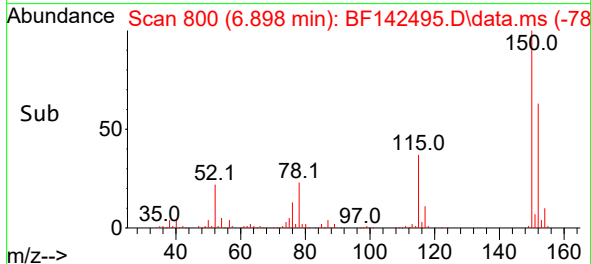
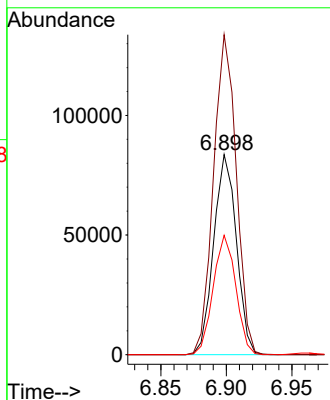
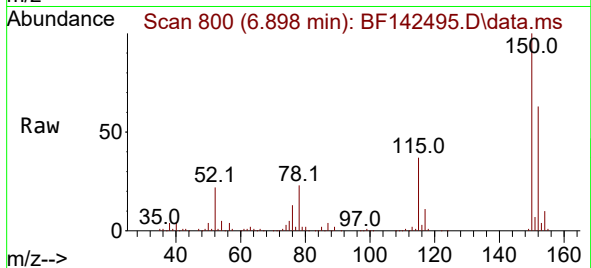




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

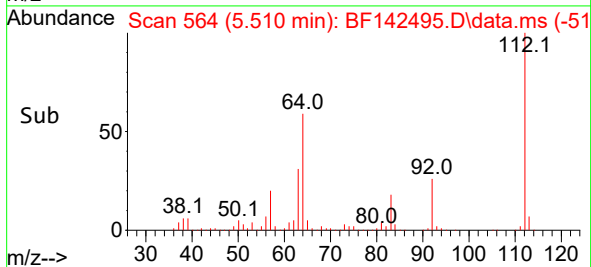
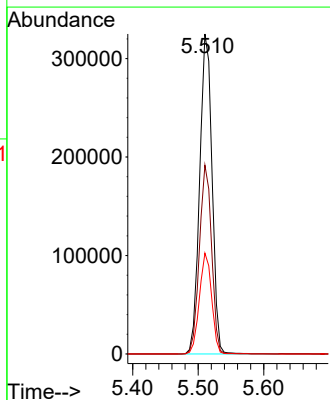
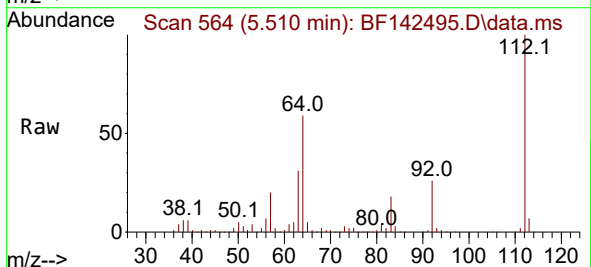
Instrument :
BNA_F
ClientSampleId :
SS-10

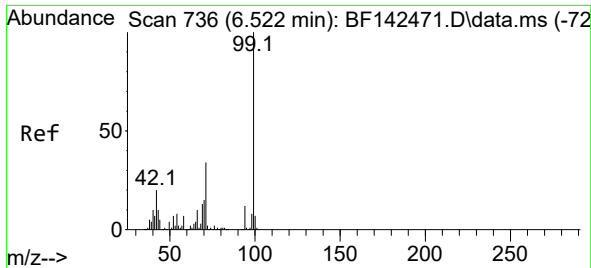
Tgt Ion:152 Resp: 100766
Ion Ratio Lower Upper
152 100
150 159.8 128.2 192.4
115 59.6 48.3 72.5



#5
2-Fluorophenol
Concen: 71.573 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:112 Resp: 428079
Ion Ratio Lower Upper
112 100
64 59.0 47.5 71.3
63 31.5 24.9 37.3





#7

Phenol-d6

Concen: 70.688 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

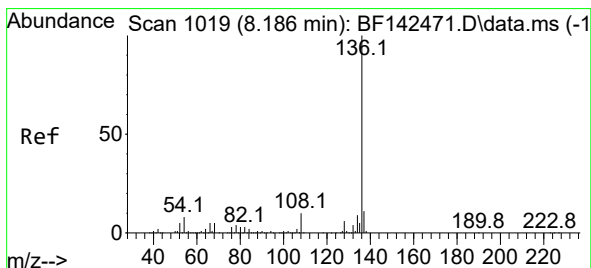
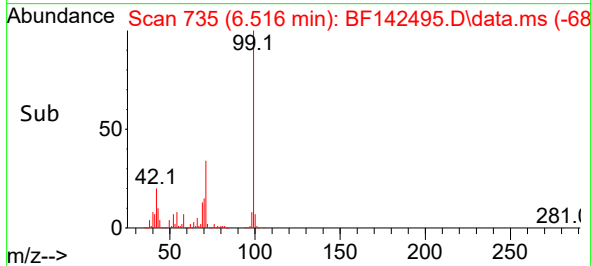
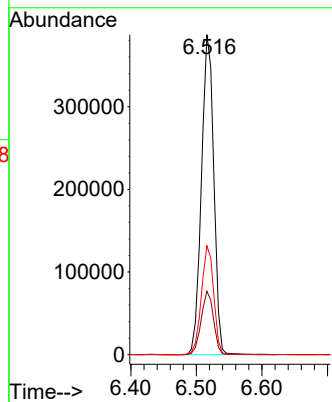
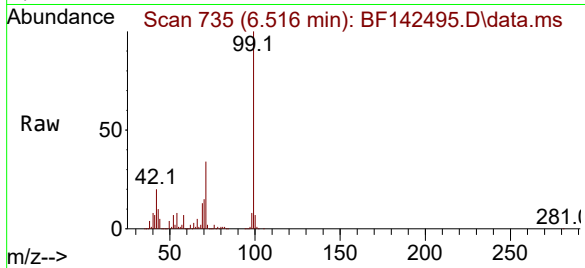
Tgt Ion: 99 Resp: 508939

Ion Ratio Lower Upper

99 100

42 19.8 16.2 24.2

71 34.0 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Tgt Ion: 136 Resp: 357959

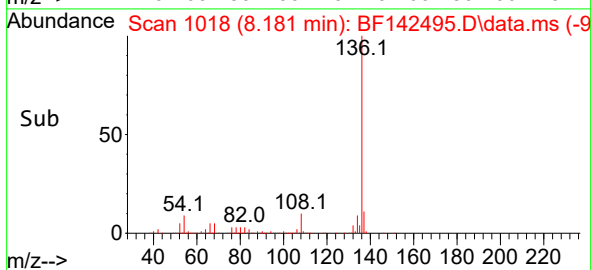
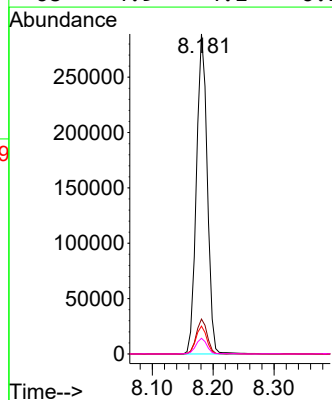
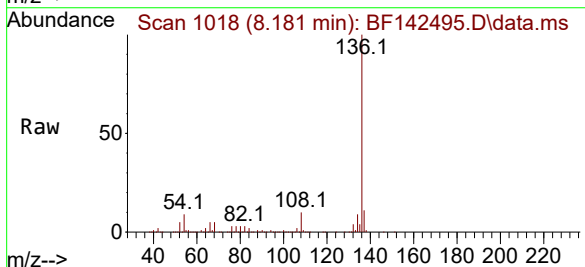
Ion Ratio Lower Upper

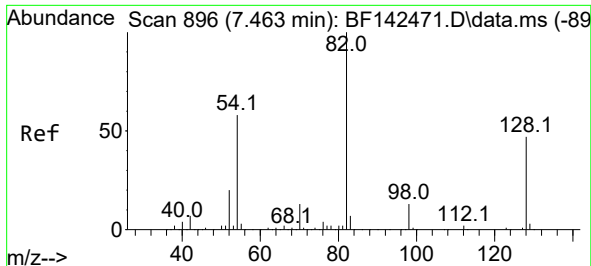
136 100

137 10.9 8.6 13.0

54 8.7 6.6 10.0

68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 43.936 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

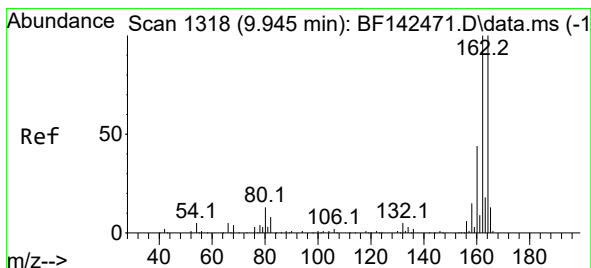
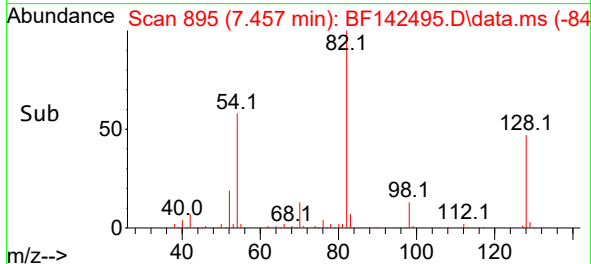
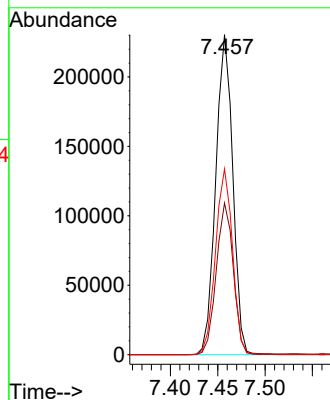
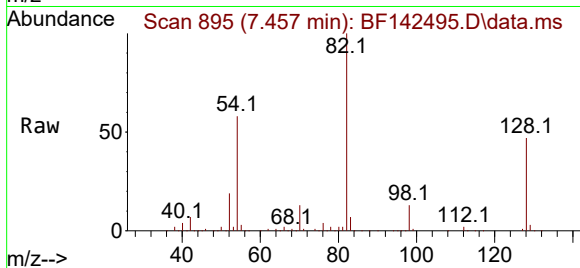
Tgt Ion: 82 Resp: 288423

Ion Ratio Lower Upper

82 100

128 47.4 37.4 56.2

54 58.0 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

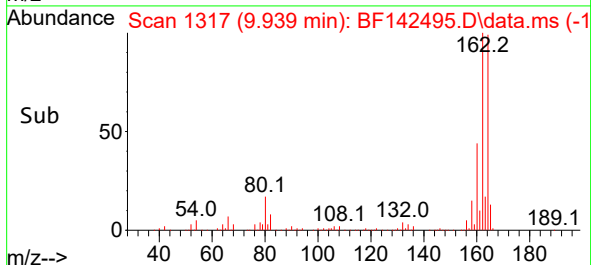
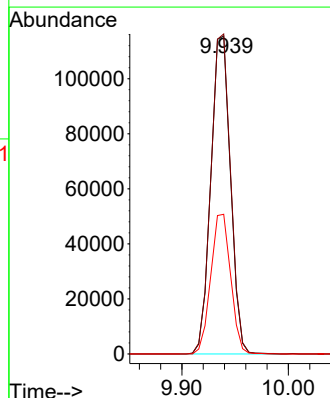
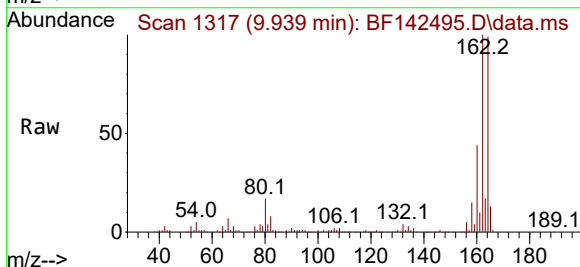
Tgt Ion:164 Resp: 148328

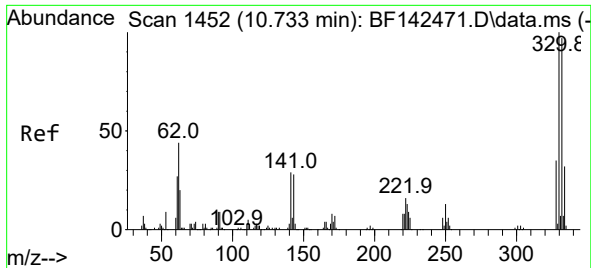
Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.4

160 43.9 35.6 53.4

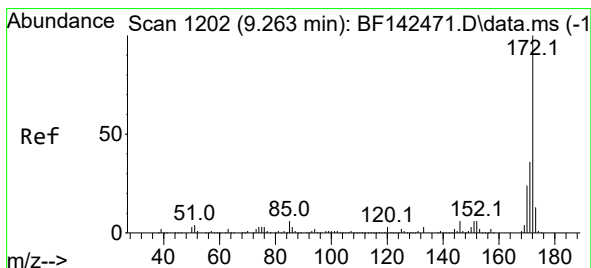
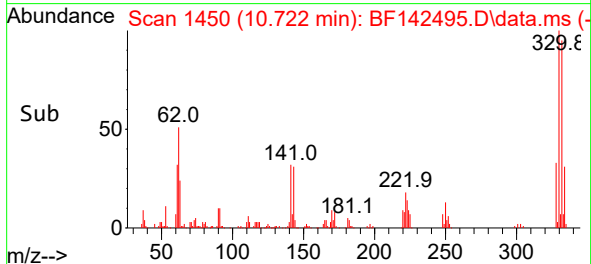
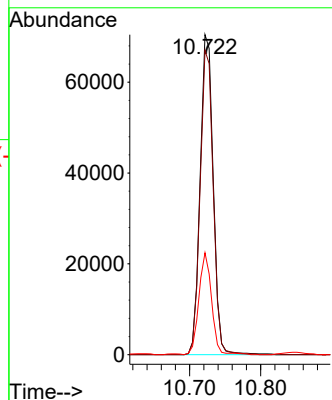
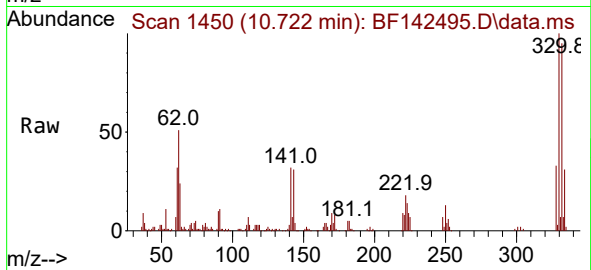




#42
2,4,6-Tribromophenol
Concen: 55.035 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

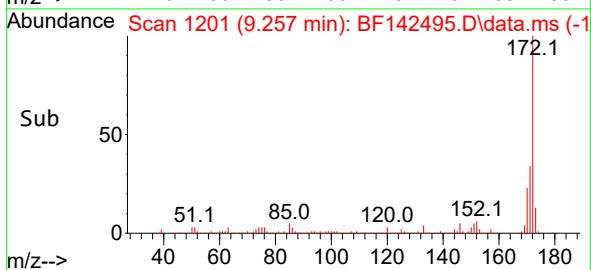
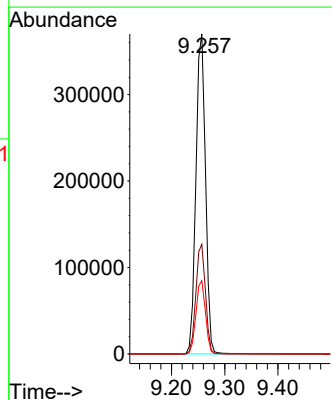
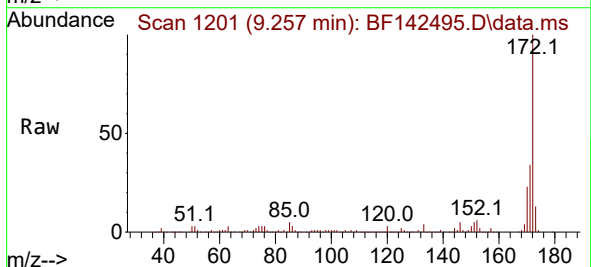
Instrument :
BNA_F
ClientSampleId :
SS-10

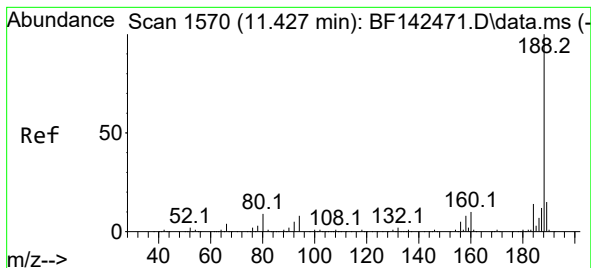
Tgt Ion:330 Resp: 90602
Ion Ratio Lower Upper
330 100
332 94.9 77.6 116.4
141 30.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 41.823 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:172 Resp: 462302
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 22.9 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

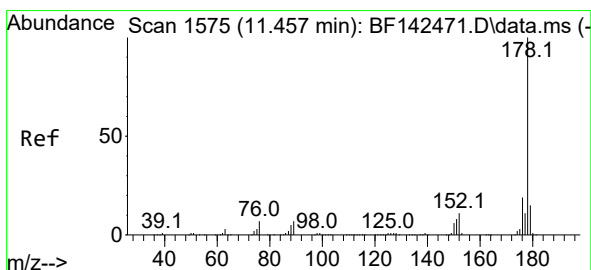
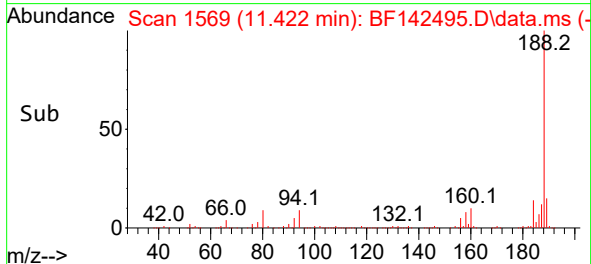
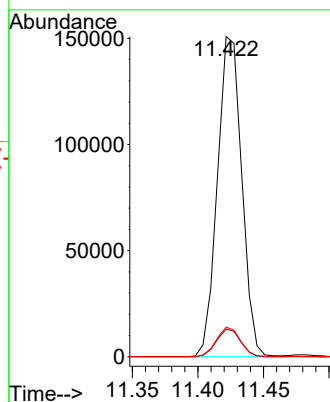
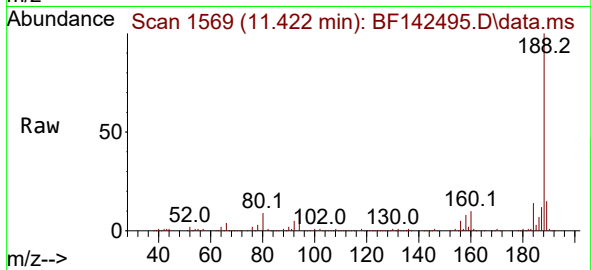
Tgt Ion:188 Resp: 194795

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.3 7.4 11.0



#71

Phenanthrene

Concen: 20.118 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

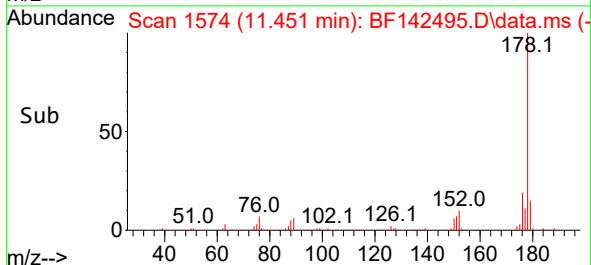
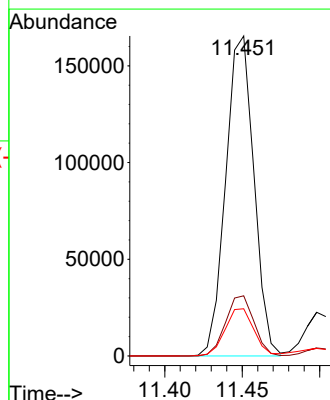
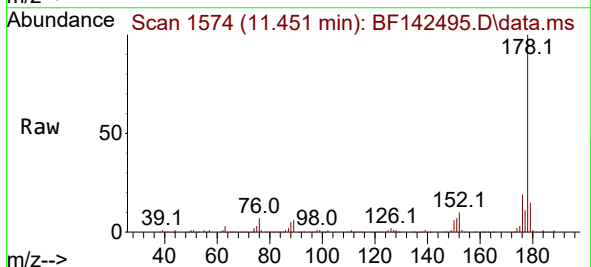
Tgt Ion:178 Resp: 209436

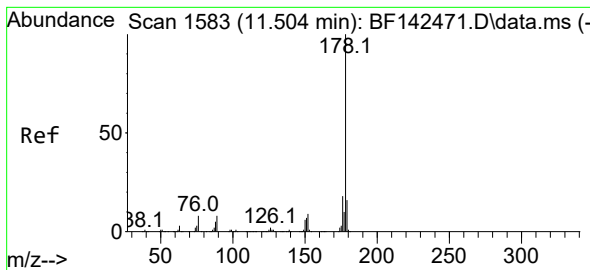
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 14.8 12.3 18.5





#72

Anthracene

Concen: 2.911 ng

RT: 11.498 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

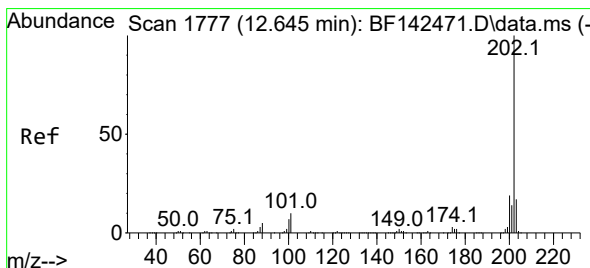
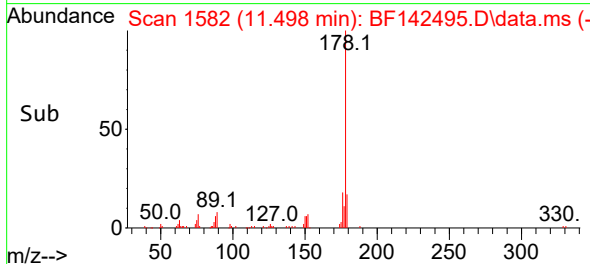
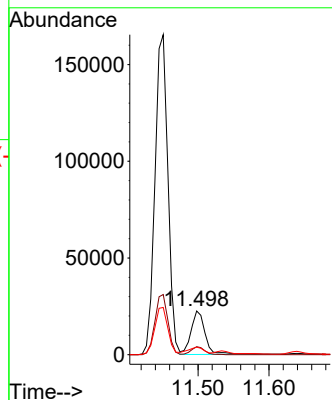
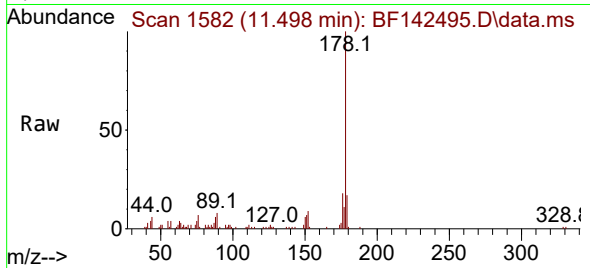
Tgt Ion:178 Resp: 30925

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 17.3 12.4 18.6



#75

Fluoranthene

Concen: 33.000 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

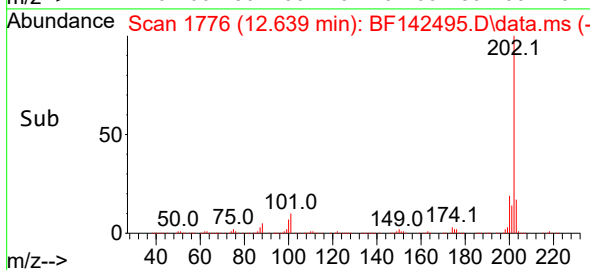
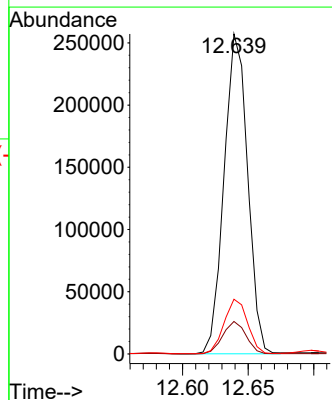
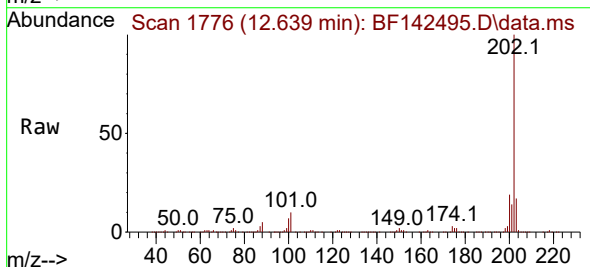
Tgt Ion:202 Resp: 320997

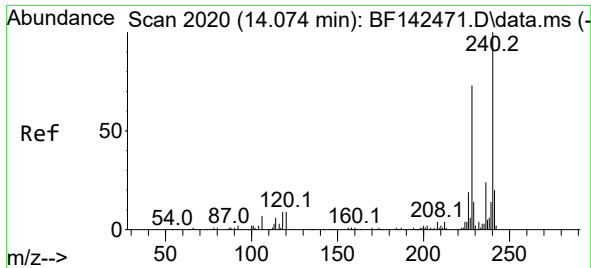
Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

203 17.1 0.0 37.2

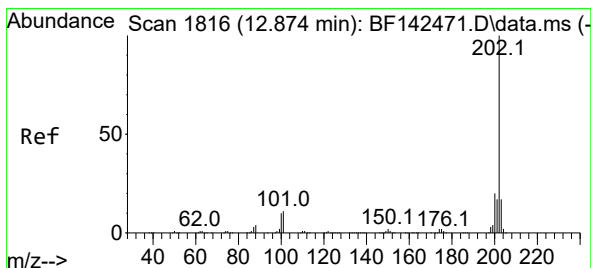
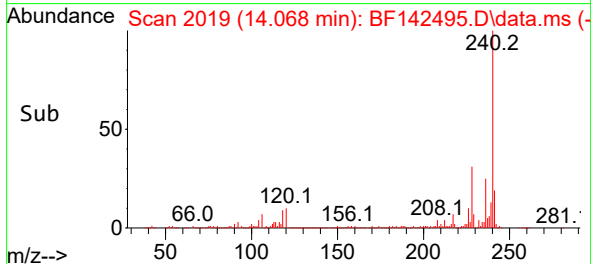
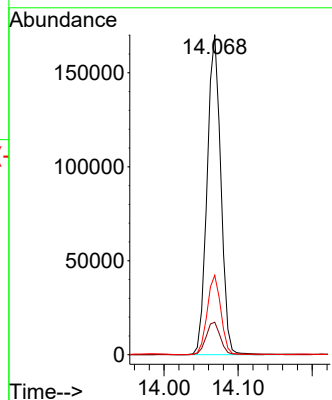
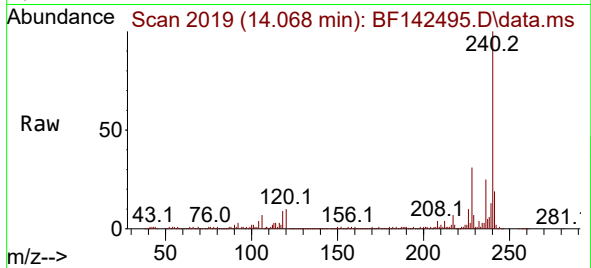




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

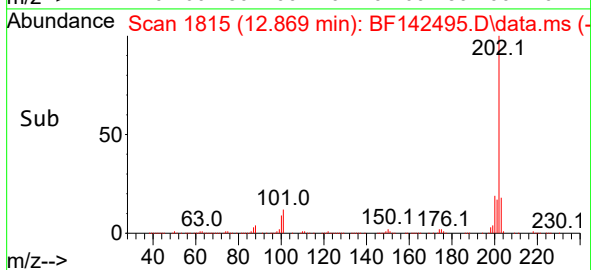
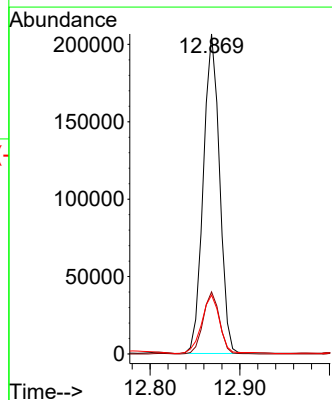
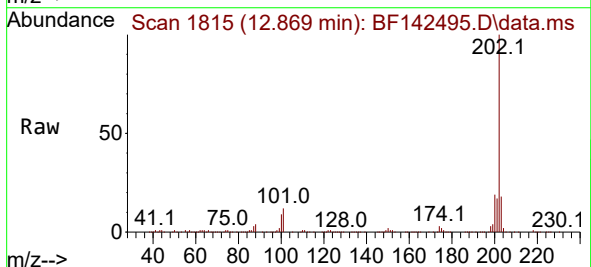
Instrument :
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SS-10

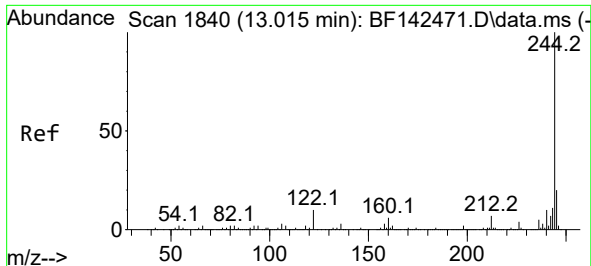
Tgt Ion:240 Resp: 218313
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 24.8 19.6 29.4



#78
Pyrene
Concen: 12.746 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:202 Resp: 259576
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 18.4 13.9 20.9

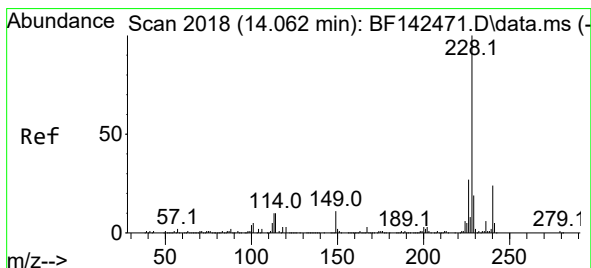
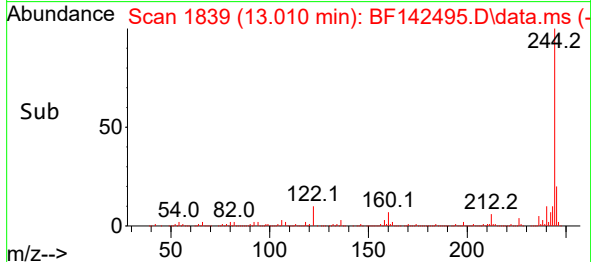
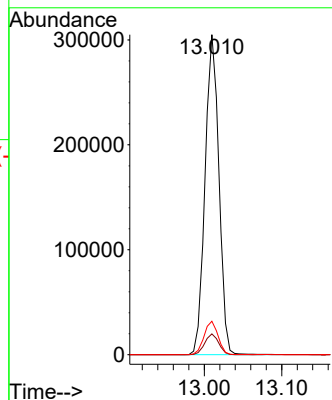
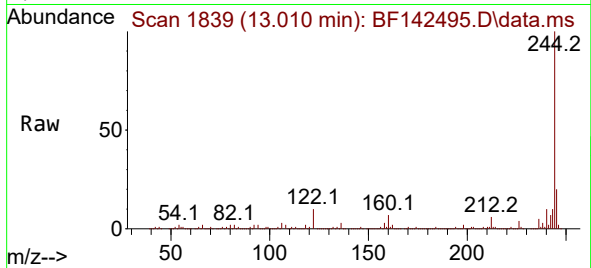




#79
 Terphenyl-d14
 Concen: 23.719 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142495.D
 Acq: 21 May 2025 19:05

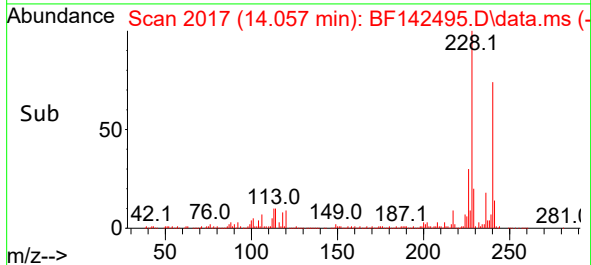
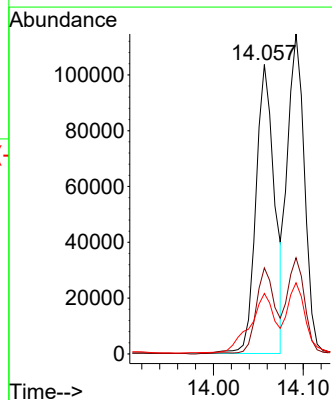
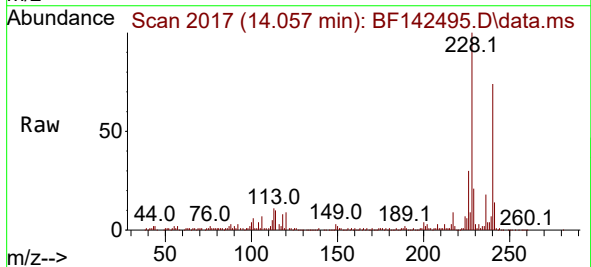
Instrument :
 BNA_F
 ClientSampleId :
 SS-10

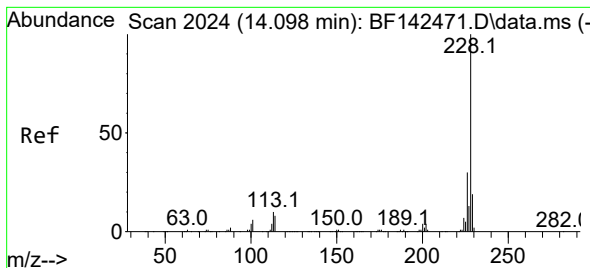
Tgt Ion:244 Resp: 378926
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.5 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 10.250 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142495.D
 Acq: 21 May 2025 19:05

Tgt Ion:228 Resp: 149419
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.2 31.8
 229 20.9 15.5 23.3





#83

Chrysene

Concen: 11.421 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142495.D

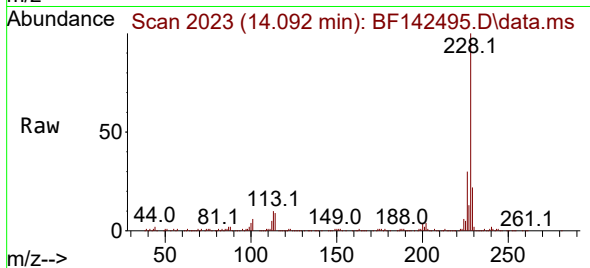
Acq: 21 May 2025 19:05

Instrument :

BNA_F

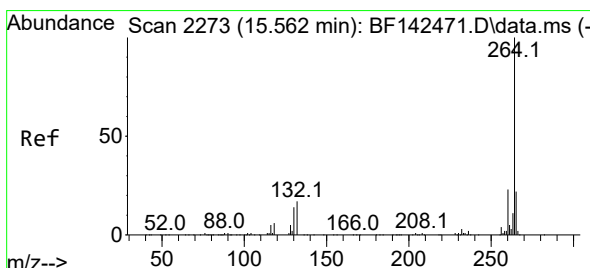
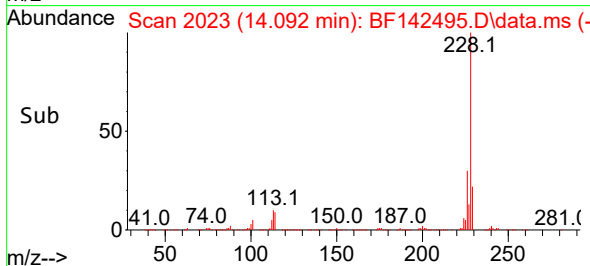
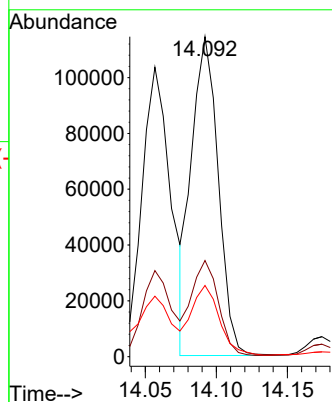
ClientSampleId :

SS-10



Tgt Ion:228 Resp: 149609

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	22.2	15.4	23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

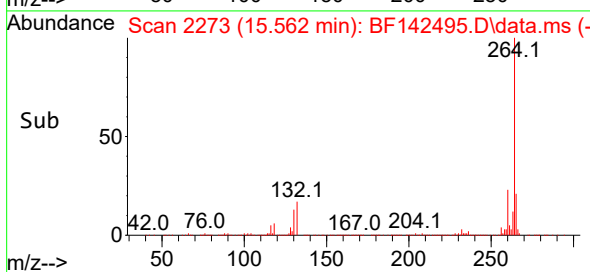
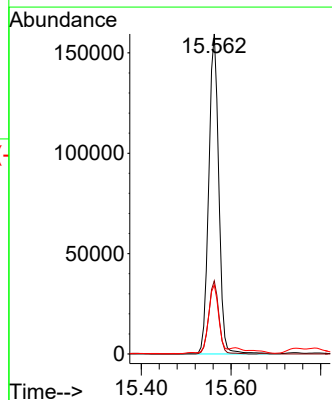
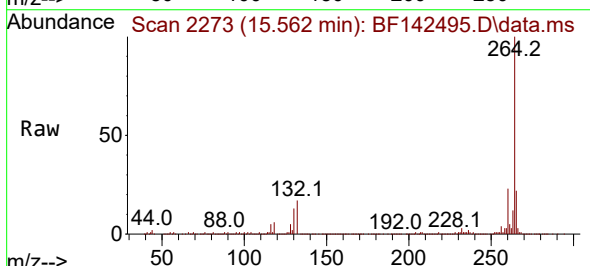
Delta R.T. -0.006 min

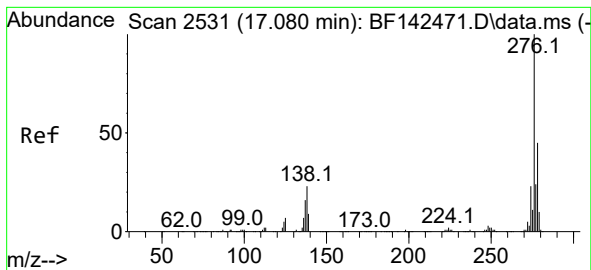
Lab File: BF142495.D

Acq: 21 May 2025 19:05

Tgt Ion:264 Resp: 247525

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.6	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.477 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

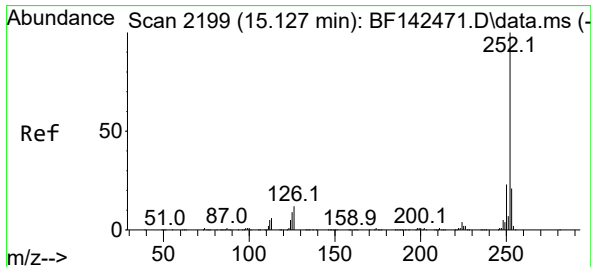
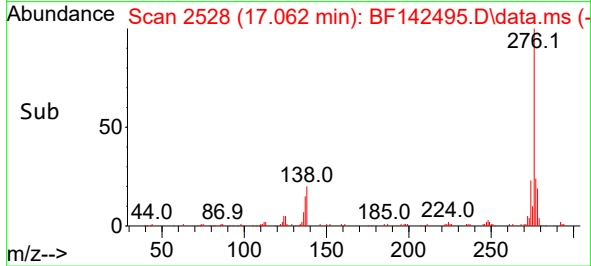
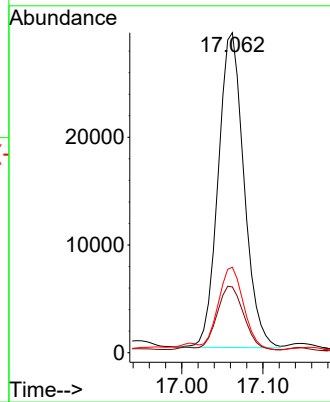
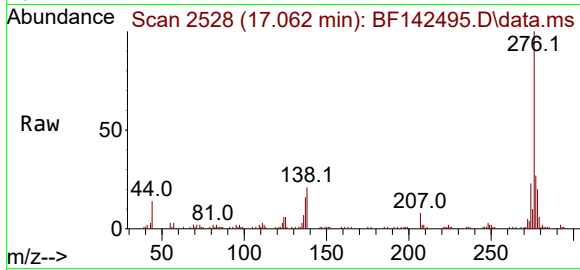
Tgt Ion:276 Resp: 64612

Ion Ratio Lower Upper

276 100

138 21.1 19.9 29.9

277 26.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 14.887 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

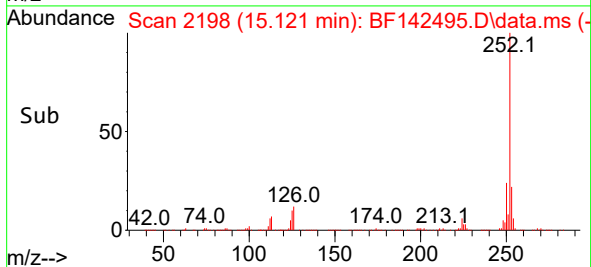
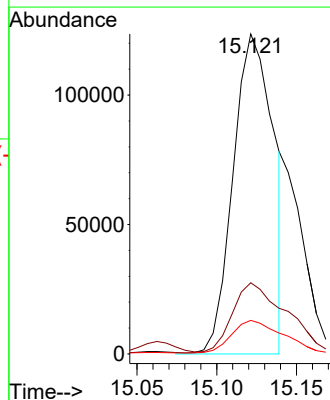
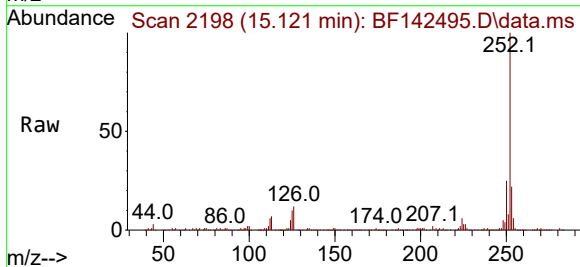
Tgt Ion:252 Resp: 218096

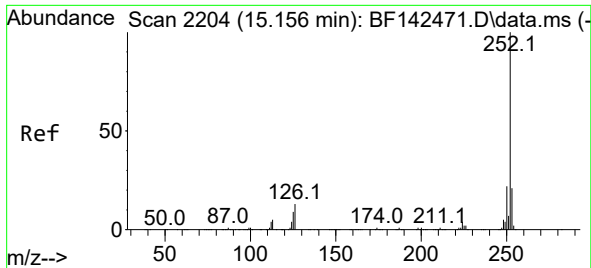
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 10.5 7.4 11.0

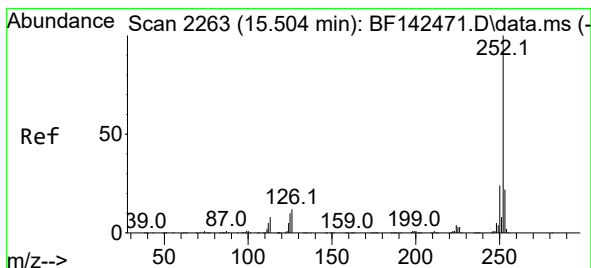
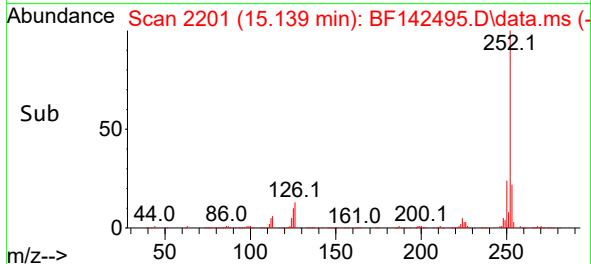
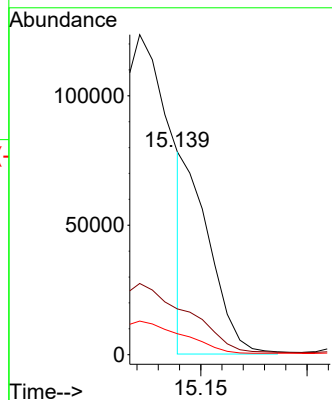
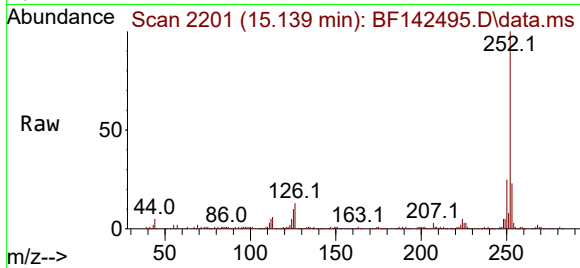




#89
Benzo(k)fluoranthene
Concen: 4.773 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

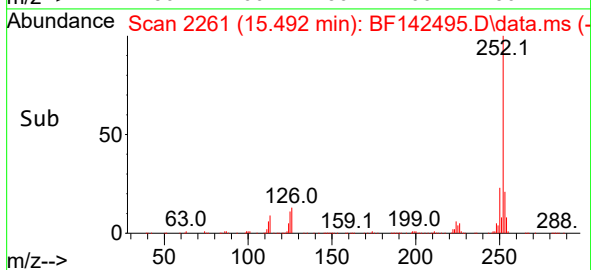
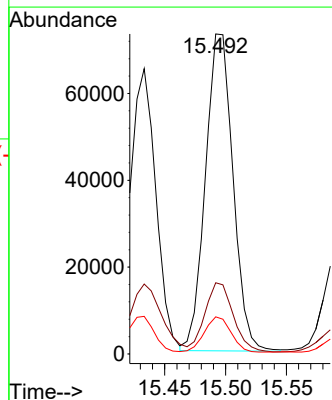
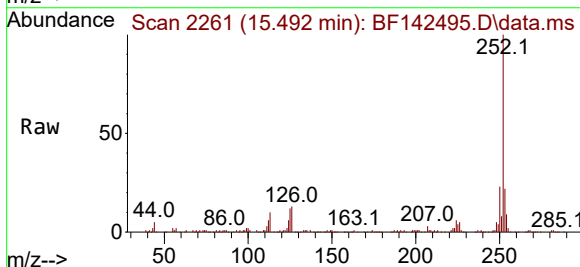
Instrument :
BNA_F
ClientSampleId :
SS-10

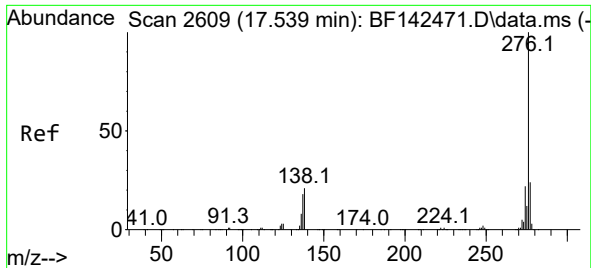
Tgt Ion:252 Resp: 65491
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 10.3 7.3 10.9



#90
Benzo(a)pyrene
Concen: 8.354 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

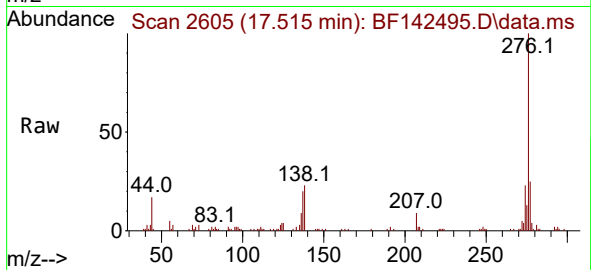
Tgt Ion:252 Resp: 115361
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.6 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.648 ng
 RT: 17.515 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF142495.D
 Acq: 21 May 2025 19:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-10



Tgt Ion:	276	Resp:	54992
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.2	28.8
138	23.1	16.8	25.2

